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REPORT NO. 10

Cotton Fiber and Processing Test Results

CROP of

1974



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 20, 1974

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.^{1/} These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1973, USDA, AMS, Cotton Division, May 1974.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1974

Discussion of Test Results

Cotton Division laboratories of the Agricultural Marketing Service, USDA, report fibers tested from Southwest short staple samples, to date, are shorter, less uniform, finer and stronger at zero gage tests than through the same period a year ago. Fiber strength is weaker at 1/8" gage tests. Picker and card waste is higher than a year ago. Yarns spun from these samples are weaker and have lower appearance grades. Yarn imperfections are higher than a year ago. Average spinning potential yarn number is lower.

Averages for all medium staple samples tested through December 13 show slightly finer fibers than last season at this time. Yarns spun from these samples showed weaker yarn strength and fewer imperfections. All other qualities tested about the same as a year ago.

Medium staple samples tested from the Southeast showed fiber test results to be about the same as a year ago at this time. Yarns spun from these samples showed about the same qualities except imperfections were fewer than a year ago.

South Central medium staple samples tested to date show finer and stronger fibers at 1/8" gage test than a year ago. Picker and card waste is higher than last season. Other yarn qualities were about the same as a year ago.

Medium staple samples tested from the Southwest show fiber strength to be stronger with all other fiber properties about the same as a year ago. Yarns spun from these samples showed lower appearance grades and fewer imperfections.

Medium staple samples tested from the West showed fibers to be shorter and weaker at both zero and 1/8" gage tests. Yarn quality was about the same except for fewer imperfections this season as compared to a year ago.

Averages for all long staple samples showed approximately the same results as a year ago, except for finer fibers. Yarns spun from these samples averaged lower appearance grades for both carded and combed yarns than last season. Yarn imperfections were higher for carded yarns than a year ago.

Long staple samples tested from the Southeast showed longer, less uniform, and finer fiber properties as a year ago. Comber waste is higher. Yarn appearance grades were lower for both carded and combed yarns. Imperfections were more for carded yarns than a year ago.

South Central long staple samples tested to date showed finer and weaker fiber strength at 1/8" gage test than a year ago. Comber waste is higher. Yarns spun from these samples showed lower appearance grades for both carded and combed yarns.

Long staple samples tested from the West showed approximately the same fiber properties as a year ago at this time. Yarns spun from these samples showed weaker yarn strength for both carded and combed yarns than a year ago. Yarn appearance grades were lower for carded yarns. Imperfections were fewer for carded yarns than a year ago.

Extra long staple, American Pima, samples from the West are finer and stronger at zero gage than last season. Both picker and card waste and comber waste are lower than last season. Yarns spun from these samples show lower appearance grades.

Staple group Area, and Crop year	Lots tested	Fiber test results							Processing test results						
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.			
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex	Pct.		Skein str.	Appear- ance	Imperf- ections
				Inches			Pct.	Index				No.			
<u>Short Staple:</u>															
Southwest															
1973	37	0.97	46	4.5	84	21	3.4	6.5	93	109	18	43			
1974	14	0.94	44	4.2	87	20	3.5	7.2	85	97	20	38			
<u>Medium Staple:</u>															
Southeast															
1973	42	1.08	46	4.5	82	22	3.6	6.2	103	106	22	62			
1974	46	1.09	45	4.4	81	22	3.4	6.4	102	104	19	61			
South Central															
1973	136	1.10	45	4.5	82	22	3.1	5.8	102	108	19	62			
1974	111	1.10	44	4.1	83	23	3.1	6.3	105	104	18	63			
Southwest															
1973	37	1.07	45	4.4	82	22	2.8	5.7	97	100	25	57			
1974	32	1.07	44	4.3	84	22	3.0	6.1	100	92	20	58			
West															
1973	48	1.13	47	4.6	94	26	2.2	5.4	119	106	18	68			
1974	55	1.11	46	4.5	92	25	2.4	5.8	117	103	16	68			
U. S. Average															
1973	263	1.10	45	4.5	84	23	3.0	5.8	103	106	20	62			
1974	244	1.10	45	4.3	85	23	3.0	6.1	98	102	18	63			
Significant dif- ference 2/		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3			

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through December 13, 1974 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results					Processing Test Results										SPY	
		Length		Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality					Imprfctns card	No.		
		Span	Unif		Zero gage	1/8" gage				Strength carded	Lbs. carded	Indx carded	Appearance combed	Indx combed				No.
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.				
22s Carded & Combed Yarn																		
Long Staple:																		
Southeast																		
1973	16	1.12	45	4.6	82	23	3.9	8.7	16.9	104	120	117	124	15	7	66		
1974	14	1.15	43	4.0	82	23	3.8	8.5	17.3	105	123	105	113	20	8	67.		
South Central																		
1973	6	1.14	44	4.3	86	24	3.8	8.8	17.3	108	126	117	127	19	8	64		
1974	6	1.15	44	4.0	85	23	4.0	8.8	18.0	105	125	102	113	19	8	65		
West																		
1973	11	1.16	45	3.8	92	27	2.4	7.2	14.9	136	152	99	109	18	10	92		
1974	9	1.16	45	3.7	92	26	2.5	7.2	14.7	128	148	94	106	21	10	90		
U. S. Average																		
1973	33	1.14	45	4.3	86	24	3.4	8.2	16.3	115	132	111	120	16	8	74		
1974	29	1.15	44	3.9	85	24	3.4	8.2	16.7	112	131	101	111	20	9	74		
Array																		
American Pima																		
50's Combed Yarn																		
Extra Long Staple:																		
West																		
1973	8	1.46	31	3.9	99	33	2.8	7.8	18.0	65			122		1			
1974	7	1.46	30	3.7	102	32	2.7	7.2	17.1	64			111		2			
Significant Difference 2/																		
0.02 2 0.2 2 1 0.5 0.5 0.5 4(22s) 4(22s) 2(50s) 5 5 2 2 3																		

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
Sample Number		Grade	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten- tial	
				2.5% span	Unif		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel		8s or 74 tx	22sor 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx		8s or 74 tx
No	Name & Code		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	
SOUTHWEST AREA																								
NORTHWEST TEXAS																								
BURKBURNETT																								
1	SLM	LT SP	42	31	0.95	44	5.2	85	22	LANKART LX 571	5.7	3.6	4	4	8.9	259	80	6.4	5.4	110	90	39	33	31
										100 PERCENT														
OKLAHOMA																								
DAVIDSON																								
1	SLM	LT SP	42	32	0.98	44	4.8	84	22	LANKART 57	6.4	3.7	3	4	7.7	301	91	7.3	6.3	120	90	35	31	42
										95 PERCENT														

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number				Fiber Test Results							Processing Test Results - Carded Yarns												
No	Grade	Style	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat- in 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
				2.5% span	Unif.		Zero	1/8" Gage			Mpsi	G/tex		Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEAST AREA																							
ALABAMA																							
3 SLM		41	35	1.13	44	4.2	90	24	5.6	2.5	2	3	5.6	100 PERCENT	115	41	6.2	4.5	100	80	18	11	69
3 LM		51	34	1.09	45	4.5	79	23	7.0	3.0	2	3	7.2	85 PERCENT	100	33	6.2	4.7	100	80	18	15	59
TUSKEGEE																							
3 SLM LT SP		42	34	1.08	43	4.3	78	22	7.4	3.2	2	3	6.2	95 PERCENT	101	35	6.3	4.7	110	80	19	15	58
GEORGIA																							
4 LM		51	34	1.07	41	4.4	77	20	6.0	4.8	4	3	9.5	95 PERCENT	81	24	5.5	3.2	90	60	23	20	46
BCSTWICK																							
3 LM		51	34	1.06	47	4.6	81	23	6.4	4.3	3	3	7.2	100 PERCENT	104	36	6.3	4.5	110	90	20	14	61
OGLETHORPE																							
3 LM		51	34	1.02	43	4.1	79	21	6.1	3.7	2	3	7.8	98 PERCENT	88	28	5.9	3.9	100	80	19	14	47
NORTH CAROLINA																							
LAURINBURG		41	36	1.11	45	4.3	79	22	6.0	4.8	2	2	7.6	100 PERCENT	108	37	6.7	4.6	90	80	39	24	66
3 SLM LT SP		42	35	1.10	45	3.9	78	22	6.5	5.6	3	3	8.0	102	35	6.5	4.8	90	80	38	22	61	
SHELBY																							
3 SLM LT SP		42	35	1.08	45	4.4	82	22	6.3	4.6	2	3	6.2	100 PERCENT	104	36	6.1	4.7	110	90	27	17	60
SOUTH CAROLINA																							
CALHOUN FALLS		50	35	1.11	46	4.4	81	22	6.3	4.4	2	3	7.4	100 PERCENT	104	35	6.5	4.7	100	80	25	17	61
SOUTH CENTRAL AREA																							
ARKANSAS																							
3 LM		51	35	1.11	42	3.4	85	21	7.3	4.3	3	2	6.1	100 PERCENT	111	39	7.0	5.2	110	80	18	15	68
DUMAS																							
3 SLM		41	35	1.06	44	3.4	86	21	5.9	2.6	2	2	6.0	100 PERCENT	102	32	6.4	4.2	110	80	22	18	60

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial	
No	Grade	Stple	2.5% span	Unif.	Zero Gage		1/8" Gage	Pct			Mpsi	G/tex		Pct	No	Yel	No	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTH CENTRAL AREA--(Continued)																							
ARKANSAS--(Continued)																							
EUDORA																							
3	SLM	41	35	1.10	44	4.3	84	22	DELTA PINE 16	3.0	2	2	2	7.4	100	35	6.7	4.5	100	90	13	9	67
LEACHVILLE																							
3	SLM	41	35	1.06	42	3.3	82	21	8RYCOT #4	3.6	3	3	3	5.9	100	31	6.7	4.4	90	70	23	20	58
LEACHVILLE																							
3	SLM	41	35	1.10	42	3.6	79	23	STONEVILLE 213	3.7	2	3	2	6.1	100	35	6.7	4.8	100	90	20	16	63
OSCEOLA																							
3	LM	51	35	1.07	39	2.9	82	22	STONEVILLE 7A	3.5	3	2	2	7.7	92	29	5.8	4.2	100	70	37	26	51
WILSON																							
3	SLM LT SP	42	35	1.13	43	3.5	80	22	DELTA PINE 16	3.9	2	2	2	7.2	113	40	7.5	5.3	110	80	18	13	70
WYNNE																							
3	LM	51	35	1.11	41	3.4	81	23	DELTA PINE 16	3.5	2	2	2	6.7	113	38	7.3	5.1	110	80	21	16	71
LOUISIANA																							
LAKE PROVIDENCE																							
3	SLM	41	35	1.12	44	4.1	77	22	DELTA PINE 16	3.8	1	2	2	6.6	111	38	7.2	5.2	120	80	18	14	73
LAKE PROVIDENCE																							
3	LM	51	35	1.09	42	3.6	80	22	STONEVILLE 213	3.9	2	2	2	7.3	98	31	6.4	4.3	90	70	40	29	55
MONROE																							
3	SLM	41	35	1.11	45	3.7	81	22	DELTA PINE 16	2.0	3	2	2	4.8	108	37	7.3	5.2	100	80	17	14	70
SHREVEPORT																							
3	SLM	41	35	1.12	44	4.5	77	23	DELTA PINE 16	2.7	3	3	3	5.6	106	38	6.4	5.0	110	90	20	14	64
WINNSBORO																							
3	LM	51	35	1.07	45	4.2	83	22	STONEVILLE 213	3.7	3	2	2	7.4	93	32	5.6	4.3	100	80	20	15	51

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results								Processing Test Results - Carded Yarns																
No	Grade	Stple	32s	In	Pct	Rdg	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength			Elongation			Appearance Index			Imprfct'ns		Spin- Poten- tial
							2.5% span	Unif.		Zero	Gage			G/tex	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	Lbs	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	
SOUTH CENTRAL AREA--(Continued)																												
MISSISSIPPI																												
3 LM		51	35	1.06	44	3.4	83	22	5.9	3.7	3	2	6.9	100 PERCENT			101	34	6.1	4.7	100	80	29	24	59			
INDIANOLA																												
3 SLM		41	35	1.08	44	4.4	82	23	7.3	3.0	2	2	6.9	100 PERCENT			102	32	6.7	4.3	100	80	14	11	57			
INDIANOLA																												
3 LM		51	34	1.06	45	4.0	81	22	6.1	4.3	3	2	6.7	100 PERCENT			106	35	6.1	4.2	110	80	17	14	63			
LELAND																												
3 LM		51	35	1.09	46	4.0	82	21	6.1	7.3	3	2	9.2	100 PERCENT			108	37	6.8	4.5	100	70	29	21	64			
LYON																												
3 LM		51	35	1.07	45	3.7	79	23	6.4	3.9	2	2	5.8	100 PERCENT			103	33	6.6	4.5	110	90	25	16	60			
NITTA YUMA																												
3 SLM		41	35	1.09	43	4.2	87	23	6.2	2.9	2	2	6.1	100 PERCENT			103	34	6.2	4.6	100	80	22	20	57			
TRIBBETT																												
2 LM PLUS		50	35	1.09	46	4.6	92	22	5.4	3.5	2	3	7.2	100 PERCENT			100	33	5.2	3.8	110	90	19	14	56			
WATER VALLEY																												
3 SLM		41	35	1.06	42	3.3	79	22	7.4	2.5	1	2	6.1	95 PERCENT			107	35	7.5	4.9	110	80	17	16	62			
MISSOURI																												
3 SLM LT SP		42	35	1.11	42	3.7	81	23	6.9	3.3	3	3	5.8	100 PERCENT			103	35	6.9	4.7	110	80	19	15	62			
SENATH																												
3 SLM LT SP		42	35	1.06	43	3.0	73	21	7.0	2.8	4	3	6.7	100 PERCENT			95	31	6.7	4.7	100	80	23	18	56			
TENNESSEE																												
3 LM		51	35	1.07	44	3.5	82	21	6.4	3.2	2	3	6.4	95 PERCENT			104	36	6.9	4.7	110	90	19	15	65			

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification &				Fiber Test Results										Processing Test Results - Carded Yarns												
Sample Number			Digital Fibrograph	Mike	Fiber Strength		Elon- gat'n	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation	Appearance Index		Imprfct'ns		Spin. Poten- tial							
No	Grade	Stple	2.5% span	Pct	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	Gr	Yel	No	No	Pct	Lbs	Lbs		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx			
SOUTHWEST AREA																										
NORTHWEST TEXAS																										
LU880CK																										
1 LM	51	35	1.14	42		3.9	86											100 PERCENT*								
																		105	35	6.0	4.1	80	60	40	34	50
LU880CK																										
1 LM	51	35	1.11	42		3.6	82											100 PERCENT*								
																		104	34	6.3	4.5	100	70	22	19	58
WEST AREA																										
ARIZONA																										
BUCKEYE																										
3 SLM	41	35	1.08	46		5.1	95											100 PERCENT								
																		95	31	5.0	3.6	120	90	15	10	52
MARICOPA																										
3 LM	51	36	1.14	44		4.6	80											100 PERCENT								
																		107	38	6.9	4.8	100	80	18	15	65
PALO VERDE																										
2 LM	51	35	1.06	45		5.0	91											83 PERCENT								
																		94	32	5.4	4.3	110	80	18	12	47
PICACHO																										
3 LM	51	35	1.07	42		4.0	86											88 PERCENT								
																		110	38	6.3	4.8	110	90	17	13	62
CALIFORNIA																										
BAKERSFIELD																										
3 SLM	41	36	1.12	47		4.6	100											100 PERCENT								
																		129	47	6.1	4.8	100	90	16	10	76
BAKERSFIELD																										
3 SLM	41	35	1.10	47		4.5	93											100 PERCENT								
																		118	42	5.7	4.4	100	80	15	12	64
CHOWCHILLA																										
2 SLM	41	36	1.12	46		3.6	97											100 PERCENT								
																		135	50	6.0	4.8	90	80	20	16	81
CORCORAN																										
3 SLM	41	35	1.09	47		4.4	91											100 PERCENT								
																		123	46	6.1	4.4	90	80	18	15	71

* 100 percent selected for tests, less than 100 percent in the area

1/ Reduced from 41 because of bark

2/ Reduced from 41 because of grass

3/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste		Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent- tial
				2.5% span	Unif.		Mosi	G/tex		Pct	Pct	Gra	Yel	Waste	Lbs	Lbs	Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	
WEST AREA--(Continued)																								
CALIFORNIA--(Continued)																								
HANFORD		41	35	1.10	46	4.4	96	25	ACALA SJ-2	4.9	1.6	2	4	6.4	123	44	99 PERCENT	5.4	4.4	110	90	13	10	71
LOS BANOS		41	36	1.13	46	4.2	95	27	ACALA SJ-2	5.2	3.1	2	3	6.2	126	47	100 PERCENT	5.6	4.6	100	80	23	14	67
LOST HILLS		41	36	1.13	46	4.8	95	26	ACALA SJ-3	5.1	2.6	1	2	6.8	124	46	100 PERCENT	6.0	4.4	110	90	14	10	70
SAN JOAQUIN		41	36	1.13	47	4.6	96	26	ACALA SJ-2	5.2	2.3	1	3	6.6	126	47	100 PERCENT	5.7	4.5	100	80	19	12	77
STRATFORD		31	35	1.10	47	4.2	98	29	ACALA SJ-2	5.1	2.3	1	4	4.1	127	46	100 PERCENT	5.9	4.4	120	100	12	9	73
TRANQUILITY		41	36	1.15	45	4.0	93	25	ACALA SJ-2	5.6	2.5	1	2	5.9	129	47	100 PERCENT	6.3	4.6	100	80	18	14	83
TULARE		41	35	1.10	47	4.3	93	27	ACALA SJ-2	5.0	2.5	2	2	5.7	125	46	100 PERCENT	5.9	4.4	100	90	18	13	73
VISALIA		41	35	1.08	48	4.4	99	27	ACALA SJ-3	5.0	1.5	2	3	5.3	127	47	70 PERCENT	6.3	4.7	100	90	16	12	72
WESTMORLAND		31	35	1.07	45	4.8	92	27	DELTAPINE 61	5.8	2.0	1	3	5.4	108	35	100 PERCENT	5.8	4.4	110	80	14	11	51

1/ Cotton stuck to processing rolls

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns																																
Sample Number				Digital Fibrograph		Rdg	Fiber Strength		Elon-gat'n	S.A. Non-Lint	Color Raw Stock		P & C	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial																								
No	Grade	Stple		2.5% span	Unif.		Zero	1/8" Gage	1/8"	Pct	Gra	Yel	Comber	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx																									
32s																							No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No				
SOUTHEAST AREA																							No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
GEORGIA																																														
COMER																																														
3	SLM	41	35	1.14	42	4.2	83	22	COKER 310	6.4	1	3	8.9	101	33	6.6	4.7	110	80	18	14	64																								
NORTH CAROLINA																																														
DUNN																																														
3	SLM	41	35	1.12	41	3.6	82	22	COKER 310	6.6	2	3	8.0	102	32	6.4	4.4	100	70	28	17	63																								
SOUTH CENTRAL AREA																																														
MISSISSIPPI																																														
MORGAN CITY																																														
3	SLM	51	36	1.14	42	3.2	85	24	COKER 310	6.3	2	2	10.5	108	35	6.3	4.5	90	70	28	21	63																								
TENNESSEE																																														
TRENTON																																														
3	SLM	41	35	1.14	43	3.5	80	23	COKER 310	6.9	1	2	8.6	107	35	6.6	4.7	110	80	15	10	71																								
WEST AREA																																														
NEW MEXICO																																														
BERINO																																														
3	SLM	41	37	1.10	44	3.5	90	25	ACALA 1517 70	5.6	1	2	7.5	118	42	5.8	4.5	90	70	31	26	77																								
WEST TEXAS																																														
EL PASO																																														
2	SLM	41	37	1.16	45	4.0	96	27	ACALA 1517 C	5.1	2	2	7.1	132	47	5.7	4.7	110	90	16	11	94																								

* Comber Waste and Combed Yarn Data

Table 5--Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification				Fiber Test Results										Processing Test Results - Combed Yarns									
Sample Number				Array Length		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfect's		
No	Grade	Stple	UQL	CV	Zero Gage		1/8" Gage	Gra			Yel	50s or 12 tx			80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx		
Name & Code				32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No
WEST AREA																							
ARIZONA																							
ROWIE																							
1	4	44		1.48	28	3.4		102	33	7.5	3.2	4	6	7.3	16.6	63	33	5.5	4.4	110	110	1	1
CASA GRANDE																							
1	4	44		1.48	27	4.0		103	32	6.4	3.5	4	5	7.1	17.0	68	36	5.4	4.5	120	110	1	1
QUEEN CREEK																							
1	4	44		1.46	30	4.1		103	32	6.5	2.7	4	5	7.4	16.3	65	36	5.5	4.7	110	120	2	1
NEW MEXICO																							
LAS CRUCES																							
1	3	44		1.46	29	3.9		103	33	6.6	1.6	4	5	7.1	16.6	65	35	5.7	4.8	110	110	2	1
WEST TEXAS																							
FABENS																							
2	4	44		1.46	32	3.2		101	30	7.1	2.8	4	5	7.0	17.6	64	34	5.5	4.8	110	110	3	1

